FIELD SANITATION TEAM CERTIFICATION COURSE

LESSON 10 - RODENT MANAGEMENT

FSTCC0010-1

Lesson Objectives

- Describe the general characteristics of rodents.
- Identify the habitat, life cycle, food preferences, and physical characteristics of the 3 species of rodents important to military operations.
- Name the human diseases associated with rodents.
- Identify the measures used to control rodents.
- Identify the processes and procedures associated with the disposal of dead rodents.

Rodent Characteristics

- Rodents are a large group of mammals.
- Rodents have chisel-like incisors.
- Rodents do NOT have canine teeth.

Norway Rat

- Tail shorter than head and body combined.
- Found at ground level in temperate regions.
- Prefers meat, fish, and garbage.

Roof Rat

- Tail longer than head and body combined.
- Found in attics or trees in tropical climates.
- Prefers vegetables, fruits, and grains.

House Mouse

- *Tail about the same length as head and body combined.*
- *Found in a variety of habitats.*
- *Prefers grain and grain products.*

Diseases They Carry - Leptospirosis

Contact between broken skin or mucous membranes with infected soil or water

Contact between broken skin or mucous membranes
with urine or tissue of infected rat

Diseases They Carry - Salmonellosis

Eating food prepared on contaminated surface or food that has been directly contaminated

The house mouse is the more common carrier of salmonellosis

Diseases They Carry - Hanta Virus

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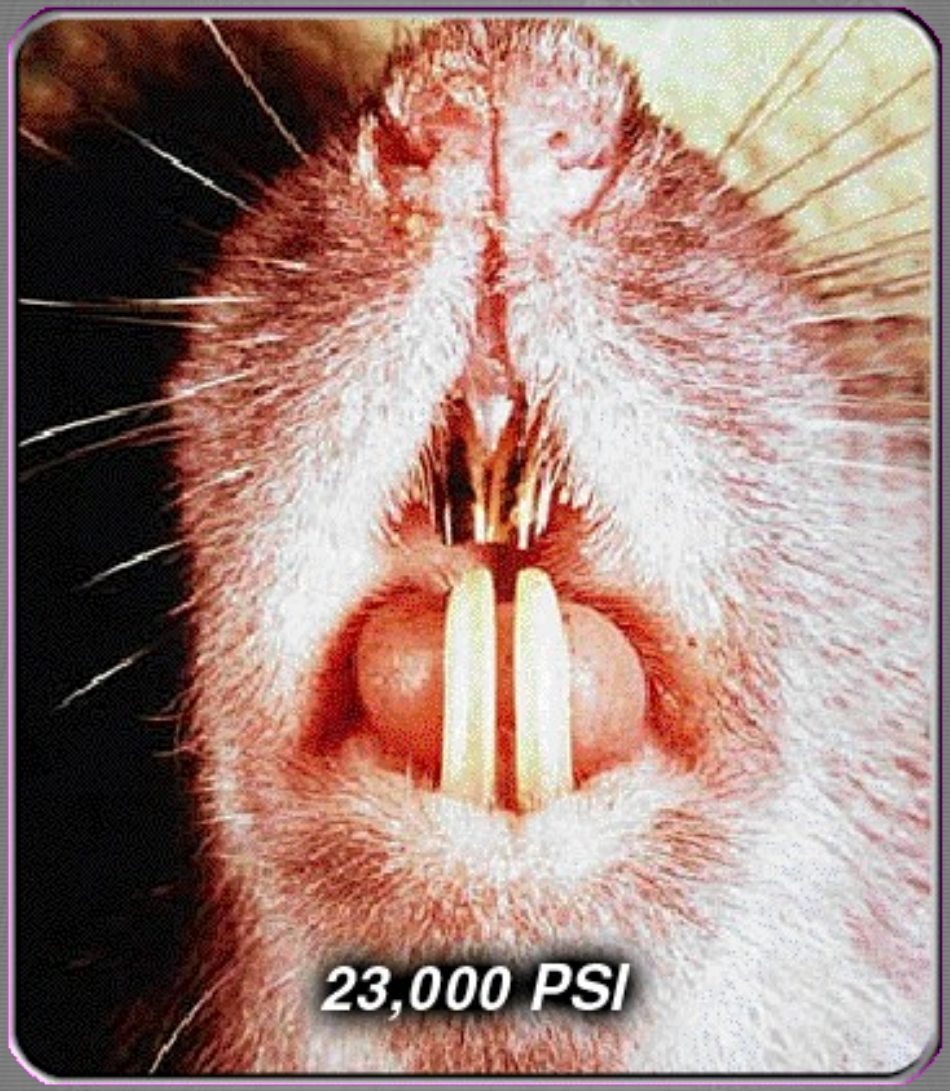
Diseases They Carry - Rat Bite Fever



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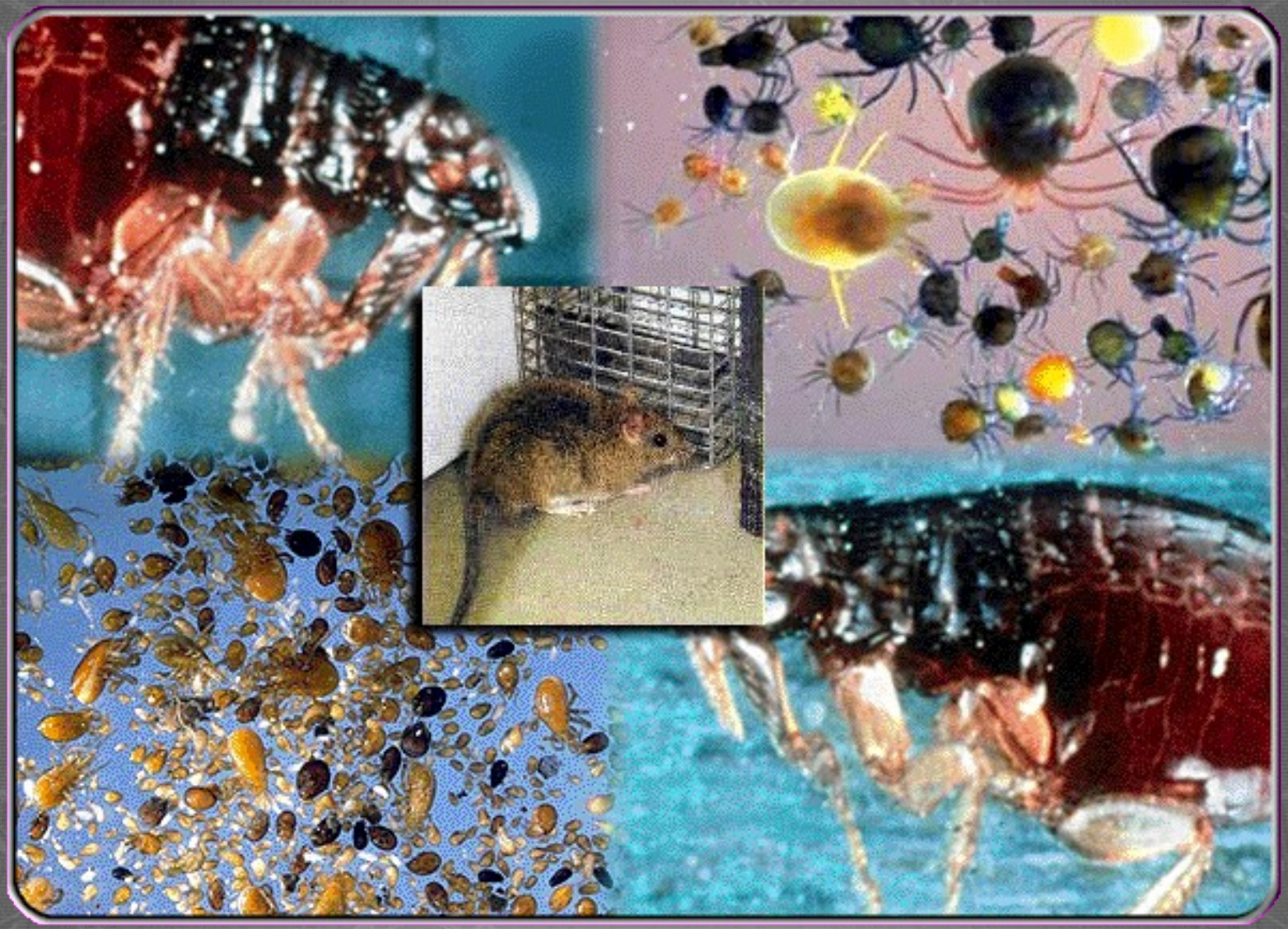
Diseases They Spread



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Diseases They Spread - Plague

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Diseases They Spread - Murine Typhus

Diseases They Spread - Rickettsial Pox

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Rodent Management

Rodent Management

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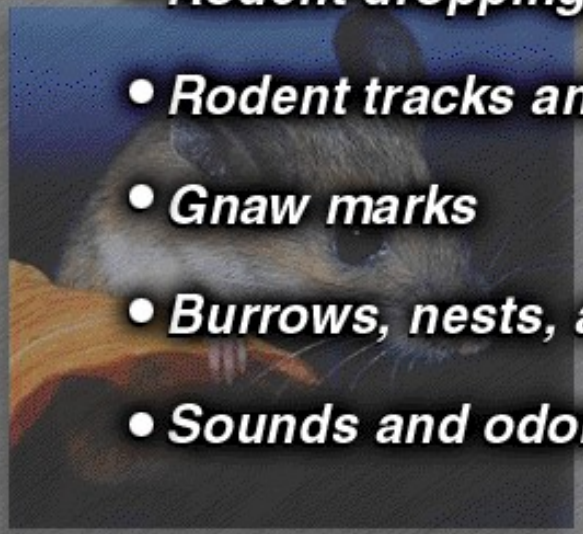
Rodent Survey

Rodent Survey

- Sightings of live rodents
- The presence of dead rodents
- Rodent droppings and smudge marks
- Rodent tracks and trails
- Gnaw marks
- Burrows, nests, and holes
- Sounds and odors



Eliminate the Food Source

- Eliminate access to garbage.
- Store food in tightly covered rodent-proof containers.
- Clean up food spills thoroughly.

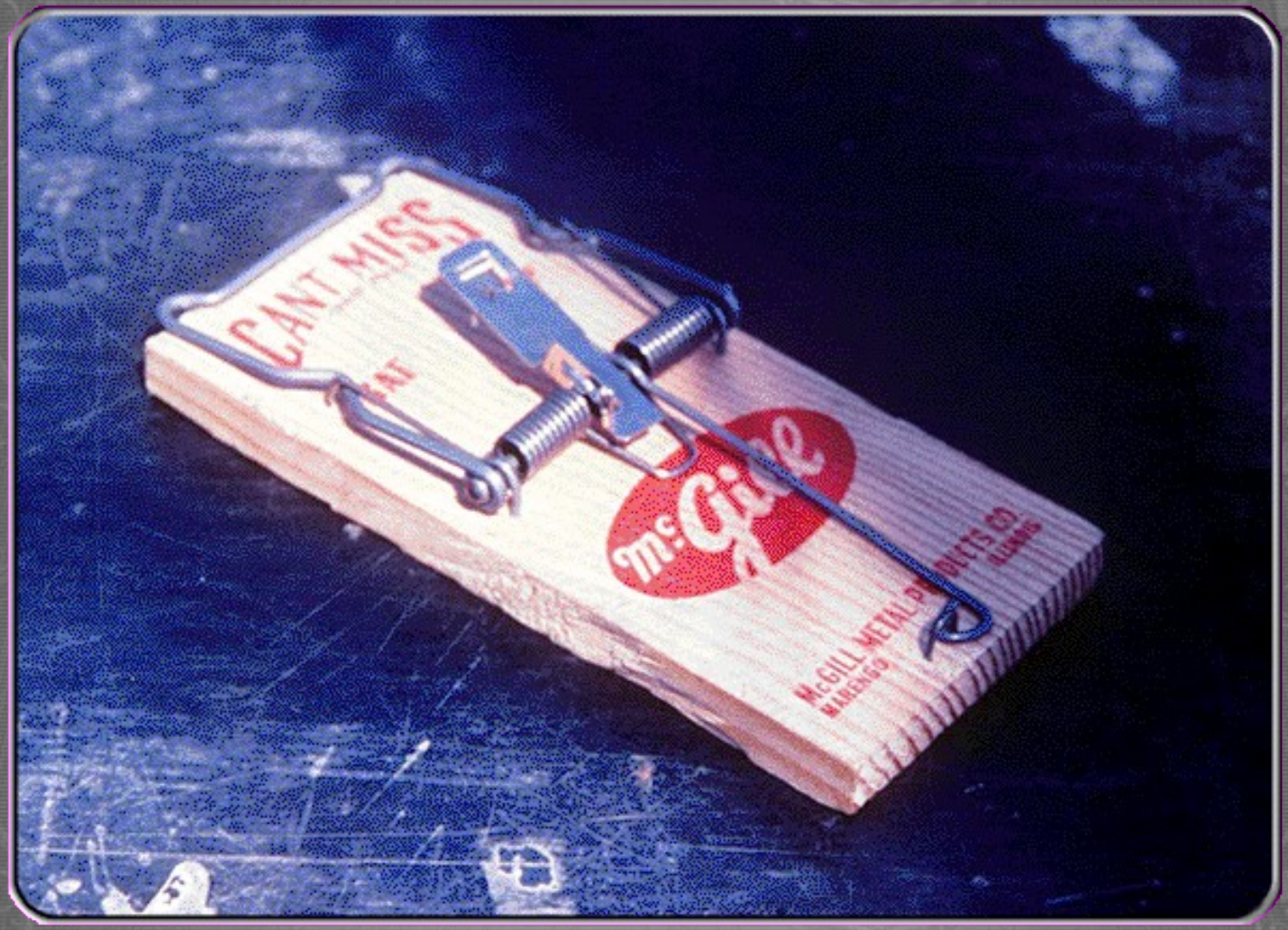
Eliminate the Water Source

- Drain water from low-lying areas.
- Keep stored water in closed containers.
- Check indoor plumbing for leaks.

Eliminate Shelter

- Remove debris and trash from unit area.
- Minimize vegetation overgrowth.
- Keep living areas free from clutter.

Rodent Traps



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Snap Traps

Set traps where rodents will intercept them:

- Against walls
- Behind or under objects
- Where rodents have been spotted
- Along rodent runways

Baiting Snap Traps

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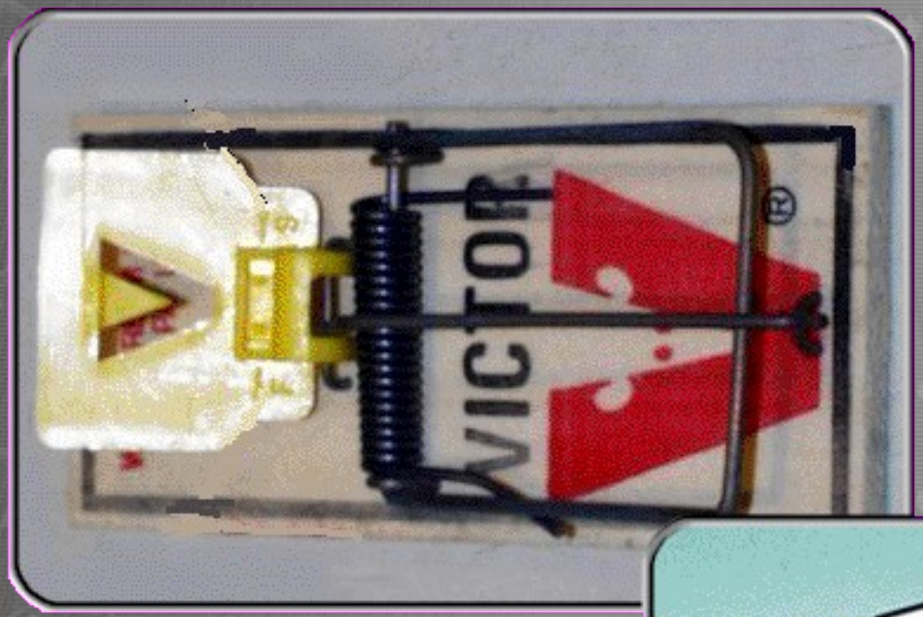
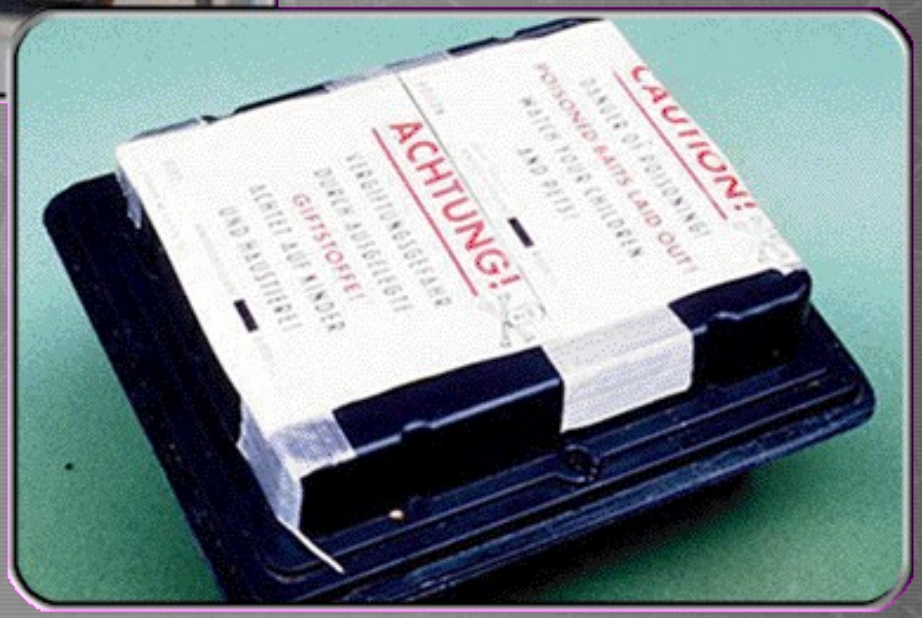
Bait Stations





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WARNING

DO NOT USE THESE CHEMICALS IN FOOD AREAS OR STORE THEM WITH OR NEAR FOOD ITEMS.

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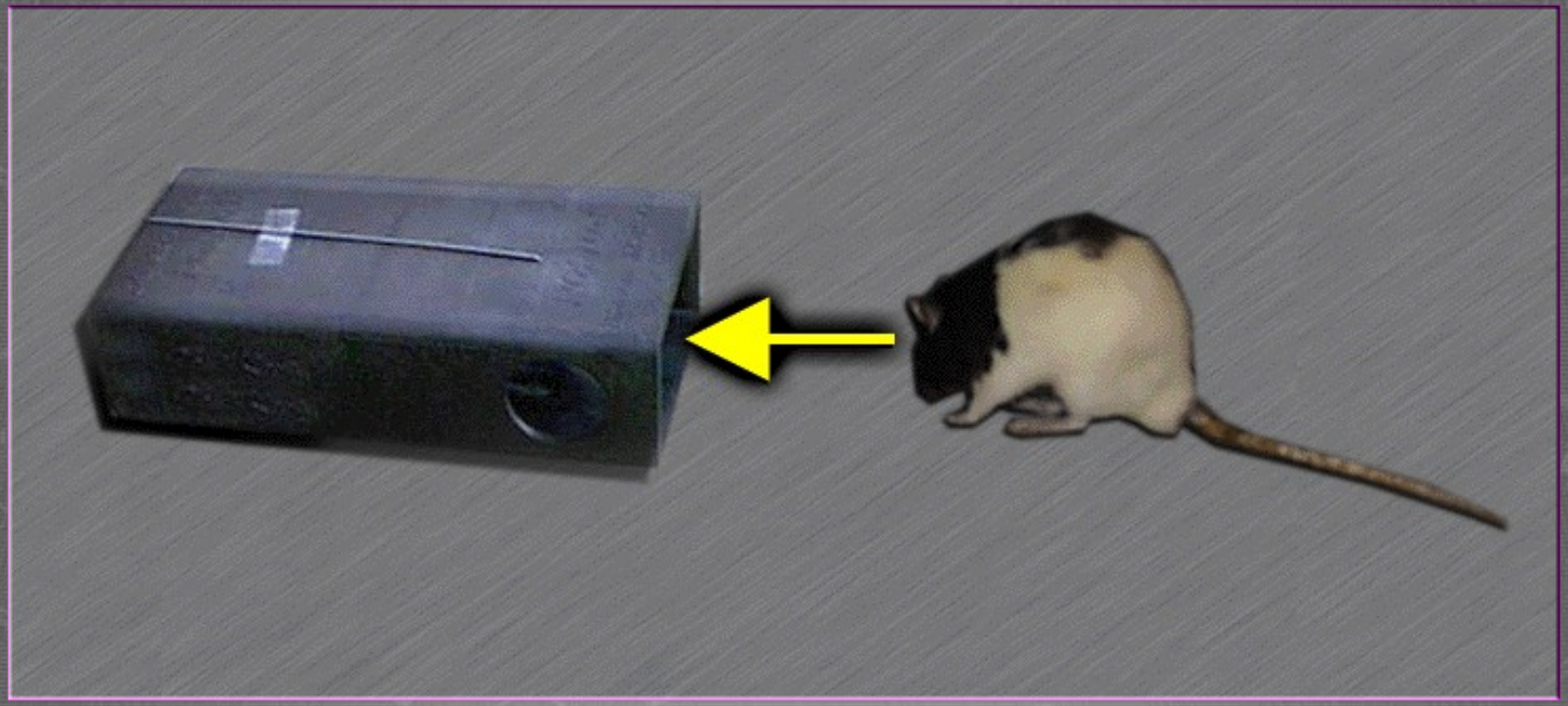
Bait Station - Type of Bait

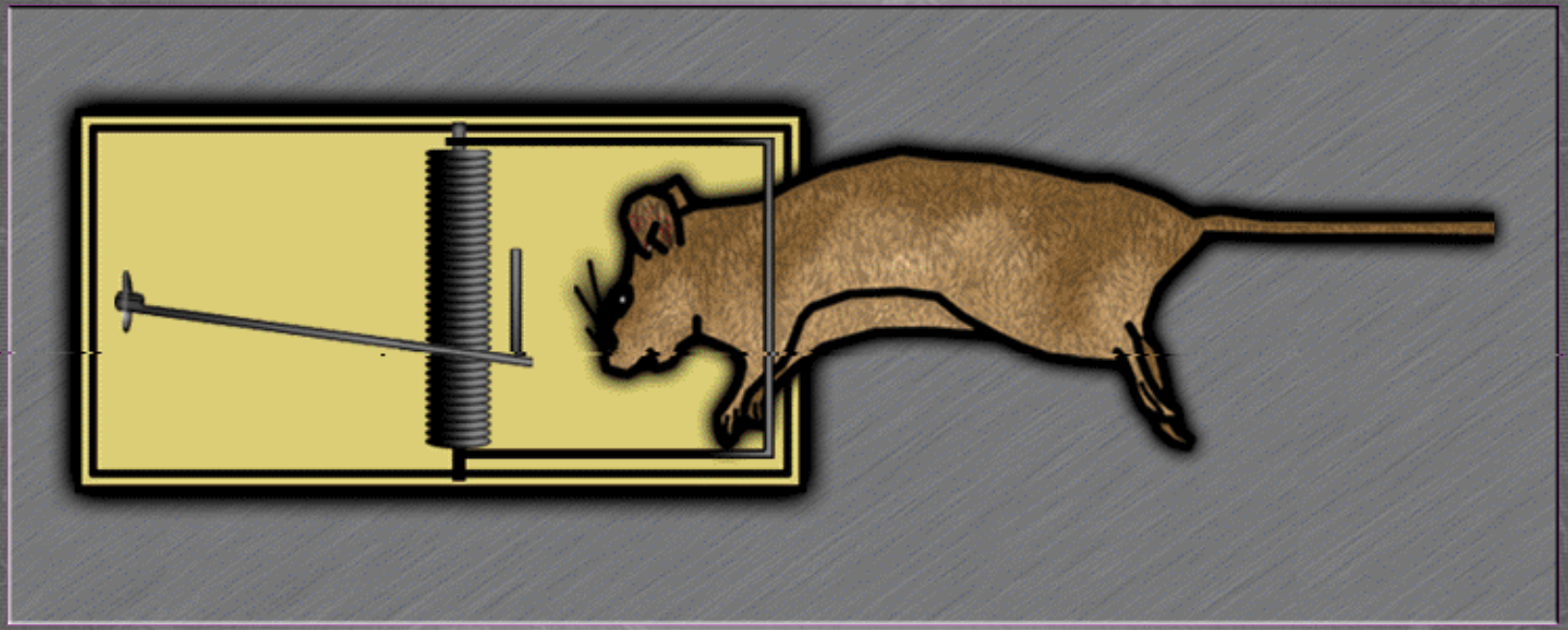
- Multiple dose anticoagulants.
  - Cumulative effects.
  - Cause rodents to hemorrhage.

Bait Station - Design



- Rodent must enter trap to get bait.
- Tamper proof.

Dead Rodent Removal



- *Successful trapping results in dead rodents.*
- *You must protect yourself from the parasites that may still be living on the carcass.*

Use Insect Repellent

- Step 1: Apply an approved insect repellent, such as DEET.

Use a Shovel or Long-handle Tongs

- Step 2: Pick up the carcass using a shovel or long-handled tongs.

Burn or Bury the Carcass

The unit's tactical situation and local environment restrictions will dictate whether you burn or bury the dead rodents.

- **Step 3: Dispose of carcass.**

SUMMARY